

What is claimed is:

1. A projection head of a far infrared radiator, comprising:
 - a frame, comprising a groove formed along an exterior surface thereof and a pair of opening extending through the frame at two ends of the groove;
- 5 a high-resistant wiring embedded in the groove to wind about the frame, the high-resistant wiring being operative to generate infrared radiation; and
 - a covering layer wrapping the high-resistant wiring therein, the covering layer being operative to block near infrared light contained in the infrared radiation.
- 10 2. The projection head as claimed in Claim 1, wherein the groove comprises a continuous groove extending between a bottom edge and a top edge of the frame.
- 15 3. The projection head as claimed in Claim 2, wherein the groove extending along a spiral path.
4. The projection head as claimed in Claim 1, wherein frame includes a recessed portion at a bottom edge thereof.
- 15 5. The projection head as claimed in Claim 1, wherein the high-resistant wiring is fabricated from nickel-chromium material.
- 20 6. The projection head as claimed in Claim 1, wherein the covering layer is fabricated from a mixture of ceramic powder, high-temperature adhesive and water.
7. An infrared radiator, comprising:
 - a lamp base, comprising a conductive terminal and a connector on the conductive terminal;
 - a lamp shade disposed on the connector;
- 25 a projection head, in electric communication with the conductive terminal of lamp base and connected to the connector, wherein the projection head further comprising:
 - an infrared radiation generator; and

a covering layer covering the infrared radiation generator therein, wherein the covering layer is operative to block a high-energy portion of the infrared radiation generated by the infrared radiation generator; and

a fastening members to fasten the lamp projection head with the lamp base.

5 8. The radiator as Claim in Claim 7, wherein the connector is fabricated from ceramic material.

9. The radiator as claimed in Claim 7, wherein the connector comprising at least one socket in electric communication with the conductive terminal.

10. The radiator as claimed in Claim 9, wherein the infrared radiation generator extends out of the projection head to be plugged into the socket.

11. The radiator as claimed in Claim 7, wherein the infrared radiation generator includes a high-resistant wiring.

12. The radiator as claimed in Claim 11, wherein the covering layer is fabricated from a mixture of ceramic powders, high-temperature adhesive and
15 water.